



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
[www.uspto.gov](http://www.uspto.gov)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/734,183	12/15/2003	Kyoung Sub Kim	8733.982.00-US	2174
30827	7590	03/02/2006	EXAMINER	
MCKENNA LONG & ALDRIDGE LLP 1900 K STREET, NW WASHINGTON, DC 20006				TON, MINH TOAN T
		ART UNIT		PAPER NUMBER
		2871		

DATE MAILED: 03/02/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	Application No.	Applicant(s)
	10/734,183	KIM ET AL.
	Examiner Toan Ton	Art Unit 2871

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

1) Responsive to communication(s) filed on 27 December 2005.

2a) This action is FINAL. 2b) This action is non-final.

3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

4) Claim(s) 1-15 is/are pending in the application.

4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.

5) Claim(s) \_\_\_\_\_ is/are allowed.

6) Claim(s) 1-15 is/are rejected.

7) Claim(s) \_\_\_\_\_ is/are objected to.

8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

9) The specification is objected to by the Examiner.

10) The drawing(s) filed on \_\_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) All b) Some \* c) None of:

1. Certified copies of the priority documents have been received.
2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

1) Notice of References Cited (PTO-892)

2) Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_.

4) Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.

5) Notice of Informal Patent Application (PTO-152)

6) Other: \_\_\_\_\_.

***Claim Rejections - 35 USC § 102***

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-7, 9-11 and 14 are rejected under 35 U.S.C. 102(e) as being anticipated by Lee et al (US 2004/0263716).

Lee discloses a liquid crystal display module comprising (see at least Figures 2, 11-12, 15, 20) : two substrates having liquid crystal disposed therebetween; a backlight that emits light through the substrates and the liquid crystal layer; a bottom cover (mold frame) having a guide projection thereon, the guide projection protruding into the interior of the liquid crystal display; and a reflection sheet that reflects light generated from the backlight and having a guide hole to receive the guide projection.

Lee discloses the liquid crystal display module comprising a diffusion plate 340 (see Figure 2).

Lee discloses the liquid crystal display module comprising a lamp holder that accommodates the lamps by groups and that is located on the reflection sheet, a display panel 210 that implements pictures by using light diffused by the diffusion plate, a guide panel having the display panel installed thereon, a top case 100 that encloses the guide panel and the display panel.

Lee discloses lamp holder's particulars such as uneven parts, protrusions at designated intervals at one side of the bottom cover (see at least Figures 2, 5-6).

Lee discloses the bottom frame's particulars such as comprising guide projections, an inclination surface (see at least Figures 2-4, 20-22).

Lee discloses the guide projections appearing thicker than the reflection sheet.

Lee discloses the liquid crystal display module comprising the bottom cover coupled with a support side by a coupling means (see Figures 2-4, 20-22).

Lee discloses the reflection sheet comprising several reflections portions/regions .

***Claim Rejections - 35 USC § 103***

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 8, 12-13, 15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lee as applied to claims 1-7, 9-11 and 14 above.

The use of adhesive tape such as double-sided adhesive tape is common and known in the art for advantages such as strong lamination/holding. Therefore, it would have been at least obvious to one of ordinary skill in the art to employ double adhesive tape, as common and known in the art, for advantages such as strong lamination/holding. Further, the use of single adhesive tape is at least an obvious variation (i.e., not patentably distinct) to the use of a double adhesive tape.

***Response to Arguments***

5. Applicant's arguments filed 12/27/05 have been fully considered but they are not persuasive.

Applicant contended that Lee fails to disclose a bottom cover having lamps disposed thereon and at least one or more guide projections, a reflection sheet having a guide hole to receive each of the guide projections. However, Lee discloses a bottom cover (mold frame) having a guide projection (see at least Figures 2, 15, 20) thereon, the guide projection protruding into the interior of the liquid crystal display; and a reflection sheet 900 that reflects light generated from the backlight and having a guide hole to receive the guide projection (see at least Figures 2, 12). Further, Lee discloses the liquid crystal display module comprising a lamp holder that accommodates the lamps by groups and that is located on the reflection sheet, a display panel 210 that implements pictures by using light diffused by the diffusion plate, a guide panel having the display panel installed thereon, a top case 100 that encloses the guide panel and the display panel.

***Conclusion***

6. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period

will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

***Contact Information***

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Toan Ton whose telephone number is (571) 272-2303.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

February 28, 2006

*h*  
TOANTON  
PRIMARY EXAMINER